

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit:       Unknown  
Inventor:           Sway-Chuang  
Serial No.       To Be Assigned  
Filed:           Herewith  
For:           Microfluidic Component Providing Multi-Directional  
              Fluid Movement  
Attorney Docket No.:   64,600-116

DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.56

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. § 1.56, the art listed and identified on the attached Form PTO-1449 is being submitted herewith for consideration by the Examiner.


It is Applicant's opinion that the claims presently on file patentably distinguish the present invention from each of these references. The above references are being cited only in the interests of candor and without any admission that they constitute

U.S.S.N.: To Be Assigned

statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art.

Respectfully submitted,

TUNG & ASSOCIATES

By  \_\_\_\_\_

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|---|-------------------------------|----------------|
| <b>FORM PTO-1449 (MODIFIED)</b><br><br>LIST OF PATENTS AND PUBLICATIONS<br>FOR APPLICANT'S INFORMATION<br>DISCLOSURE STATEMENT<br><br>(Use several sheets if necessary) | ATTY DOCKET NO.               | SERIAL NO.     |
|   | 64,600-116                    | To Be Assigned |
|   | APPLICANT Sway Chuang         |                |
|   | FILING DATE<br>Filed Herewith | GROUP Unknown  |

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|----|-----------------|------|------|-------|--------------|----------------|
|                     | AA |                 |      |      |       |              |                |
|                     | AB |                 |      |      |       |              |                |
|                     | AC |                 |      |      |       |              |                |
|                     | AD |                 |      |      |       |              |                |
|                     | AE |                 |      |      |       |              |                |
|                     | AF |                 |      |      |       |              |                |
|                     | AG |                 |      |      |       |              |                |
|                     | AH |                 |      |      |       |              |                |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NO. | DATE | COUNTRY | CLAS<br>S | SUB<br>CLASS | TRANSLATION<br>YES/NO |
|---------------------|----|-----------------|------|---------|-----------|--------------|-----------------------|
|                     | AI |                 |      |         |           |              |                       |
|                     | AJ |                 |      |         |           |              |                       |

**OTHER ART (including Author, Title, Date, pertinent pages, etc.)**

|  |    |  |
|--|----|--|
|  | AK | Bernard et al, "Thin Film Shape-Memory Alloy Actuated Micropumps", J. Microelectromechanical Systems, Vo. 7(2), June 1998, pp. 245-51                                  |
|  | AL | Jeong et al, "Fabrication and Test of a Thermopneumatic Micropump with a Corrugated p+ Diaphragm", Sensors and Actuators 83 (2000), pp. 240-55                         |
|  | AM | Gong et al, "Design, Optimization and Simulation on Microelectromagnetic Pump", Sensors and Actuators, 83 (2000), pp. 200-07   |
|  | AN | Yang et al, "Design Fabrication and Testing of Micromachined Silicon Rubber Membrane Valves", J. Microelectromechanical Systems, Vol. 8(4), December 1999, pp. 393,402 |

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.